

EP 19661 (1)

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 63246507
PUBLICATION DATE : 13-10-88

APPLICATION DATE : 31-03-87
APPLICATION NUMBER : 62080675

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INT.CL. : F16C 33/44

TITLE : CAGE FOR ROLLING BEARING

ABSTRACT : PURPOSE: To obtain excellent strength, heat resistance, and wear resistance at the time of using in an environment such as a high temp. or vacuum and the like by forming the captioned cage with a sintered material with the main components of a 10~80 wt.% of WS_2 and a 20~90 wt.% of Cu.

CONSTITUTION: A cage is formed with a sintered material with the main components of a 10~80 wt.% of WS_2 of which less than 30 wt.% is substituted by MoS_2 and/or graphite and a 20~90 wt.% of Cu of which less than 30 wt.% is substituted by at least one kind of the metal or alloy of Sn, Pb, Ag, W, Mo, Ta, Fe, Ni, Be, Al, P and their alloys. Hence, the cage can obtain excellent strength, heat resistance, and wear resistance in an environment such as at a high temp. or in vacuum and the like, enabling manufacture at a low cost.

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